



NATIONAL

National Optical & Scientific Instruments, Inc.
A Member of the Motic Group

409 SERIES STEREO MICROSCOPE – INCLINED HEAD – DUAL MAGNIFICATION

Precise optical alignment assures a three-dimensional, upright, unreversed image that is unsurpassed for everything from dissecting work to examining circuit boards. This model is a real workhorse for education or industry. Platform stand has a large work space and provides greater stability, which are important particularly for photographic or video applications.

OPTICAL SYSTEM

- Paired widefield 10x eyepieces, inclined 45°, diopter adjustment, interpupillary adjustment from 55mm to 75mm. Accepts optional #965-400-05 or #965-400-10 eyepiece reticle.
- Viewing head rotates 360°.
- Paired objectives are parfocalled, parcentered, and achromatic.
- Magnification changed by rotating objective turret 90° to positive click stops.

409-TBL-10

- Tungsten 12v 10-watt top light and 110v 15 watt bottom light.
- Includes 80mm frosted glass and black/white contrast plate.
- Rack and pinion focusing with slip clutch and tension adjustment.
- 4-position light control: top only/bottom only/top & bottom/off.

409-1105-10

- Flexible universal stand is counter balanced for maximum stability.
- Large dual focusing knobs with slip clutch and tension adjustment.
- Post mount permits up or down adjustment of viewing head.

409-1107-10

- Large workspace ideal for photographic or video applications.
- 82mm reversible black/white contrast plate.
- Post mount permits up or down adjustment of viewing head.

WARRANTY

- Lifetime limited warranty, excluding bulb, cord, and fuse.



409-TBL-10



409-1105-10



409-1107-10

National 409 Series

| Specifications | |
|-----------------------|---|
| Eyepiece | 10x, 23mm (15x, 23mm models also available) |
| Head | 45° inclined binocular head, rotates 360° |
| Stand | TBL/ illuminted; 1105/ universal counter balanced; 1107/ platform |
| Magnification Options | 1X, 2X (Model 409) 1X, 3X (Model 410) 2X, 4X (Model 411) |
| Working Distance | 94mm |
| Max. Specimen Height | 31mm |

| Parts and Accessories | |
|------------------------------|--|
| 499-430PHF | Stand with focusing block, post mount, dual illumination |
| 499-1105 | Universal boom stand, without focusing block, no illumination |
| 499-1107 | Platform stand, without focusing block, 240mm x 280mm, no illumination |



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Authorized Distributor

Products subject to changes in material and design, equal to or exceeding those described above.

ISO 9001:2000 Certified
ISO 14001:2001 Certified